

# South Carolina WRR Factors & Criteria

## Analysis Name: Wetland Preservation

*Map and score those wetlands that are not already permanently preserved.*

### Absolute

- Cannot already be a mitigation project area for preservation
- Cannot already be protected
- Must currently be a "potential" wetland
- Cannot already be high density developed
- Cannot be an open water in freshwater areas greater than 100 acres

### Relative

- Is adjacent to an "exceptional value stream" catchment
- Is in a 100-year flood plain + 100-foot buffer
- Is within a wildlife connectivity corridors
- Rare and endangered species
- Is in a future marsh migration area
- Is in a groundwater management zone, groundwater recharge zone, groundwater protection zone, or source water protection zone
- Is within or near (200 feet of) a green infrastructure hub or corridor
- Is within 1000 ft of but not in a protected land area
- Is a parcel adjacent to but not in a protected land area
- Is in or within 100 feet of historic properties & places
- Development Pressure Sleuth Model
- Is a wetland within or adjacent to farmland

## Analysis Name: Wetland Restoration

*Map and score areas that have been wetlands in the past but are not currently wetlands.*

### Absolute

- Cannot already be a mitigation project area for restoration
- Must show evidence of having been a wetland in the past according to soil profile

### Relative

- Is likely a wetland
- Is a wetland or potential wetland within 100 feet of culvert likelihood layer
- Is a wetland and is within 100 feet of an NHDplus ditch
- Is a wetland with non-native vegetation
- Is adjacent to an "exceptional value stream" catchment
- Is in a 100-year flood plain + 100-foot buffer
- Is within a wildlife connectivity corridors
- Rare and endangered species
- Is in a future marsh migration area
- Is in a groundwater management zone, groundwater recharge zone, groundwater protection zone, or source water protection zone
- Is in or near (within 200 feet of) a green infrastructure hub or corridor
- Is a parcel adjacent to or within a protected land area
- Is adjacent to a mitigation bank
- Is in or within 1000 feet of a protected land area
- Development Pressure Sleuth model
- Is a wetland within or adjacent to farmland

## Analysis Name: Riparian Preservation

*Map and score areas near but not in a stream that are contributing positively to stream health.*

### Absolute

- Cannot already be in a mitigation project area for preservation
- Cannot be already protected
- Cannot be open water in freshwater areas
- Must be in a primarily natural habitat or condition
- Must be in or within 300 feet of a lidar defined stream or active river area
- Cannot be a beach or barren land

### Relative

- Is adjacent to an "exceptional value stream" catchment
- Is in an "exceptional terrestrial biodiversity habitat" area
- Is an important aquatic habitat area
- Is in a designated critical habitat
- Is in a first order stream catchment
- Is in a future marsh migration area
- Is in a green infrastructure area with full point for hubs and partial points for corridors
- Is in a groundwater management zone, groundwater recharge zone, groundwater protection zone, or source water protection zone
- Is in a sea level rise (SLR) zone of > 8 feet with higher points for more immediate impacts
- Is within a wildlife connectivity corridors
- Climate resilience
- Is in an "exceptional value stream" catchment area that is also within a 319 watershed
- Is within 200 feet of but not in a protected land area
- Is in a stream area within 200 ft of high social vulnerability index for flood protection

## Analysis Name: Riparian Restoration

*Map and score areas near but not in a stream with compromised riparian areas where opportunities exist for restoration.*

### Absolute

- Cannot already be in a mitigation project area for restoration
- Cannot be forested or scrub/shrub
- Cannot already be high density developed
- Cannot be open water in freshwater areas
- Cannot be on or within 30 feet of a road
- Cannot be a beach or barren land

### Relative

- Is within farmland or pastureland
- Is in a 100-year flood plain + 100 foot buffer
- Is in an "exceptional terrestrial biodiversity habitat" area
- Is in a first order stream catchment
- Is in a future marsh migration area
- Is in a green infrastructure area with full point for hubs and partial points for corridors
- Is in a groundwater management zone, groundwater recharge zone, groundwater protection zone, or source water protection zone
- Is in a sea level rise (SLR) zone >8 feet with higher points for more immediate impacts Is in an "exceptional aquatic biodiversity value" area
- Is locally impaired for nitrogen, phosphorous and/or sedimentation
- Is within 200 feet of but not in a protected land area
- Is not already a mitigation project area for restoration
- Is within 200 feet of but not in an existing natural area
- Is within a 319-approved watershed plan area, indicating funding for restoration might be available
- Is in a stream area within 200 ft of high social vulnerability index for flood protection
- Is adjacent to an "exceptional value stream" catchment

## Analysis Name: Upland Preservation

*Map and score those areas where natural and/or native habitat remains intact and healthy.*

### Absolute

- Cannot already be in a mitigation project area for preservation
- Cannot already be protected
- Cannot already be high density developed
- Cannot be open water in freshwater areas
- Cannot currently be a "potential" wetland
- Must be in a primarily natural habitat or condition

### Relative

- Is within a catchment of an "exceptional value stream"
- Is an early successional habitat
- Is in a 303d listed HUC12 watershed but do not give extra points if impairment is only *E.coli*
- Is primarily natural habitat or condition within 1000 feet of protected lands that have been converted to development
- Is in an exceptional terrestrial biodiversity habitat area
- Is within a wildlife connectivity corridor
- Is in a groundwater management zone, groundwater recharge zone, groundwater protection zone, or source water protection zone
- Is within 1000 feet of but not in a protected land area
- Is a parcel adjacent to but not within a protected land area
- Is within 200 feet of but not in a protected area
- Is within 300 feet of a stream but not in a water body
- Is within 300 feet of an exceptional value stream
- Is within 300 feet of but not in a wetland
- Is within the active river area

## Analysis Name: Upland Restoration

*Map and score those areas where natural habitat has been degraded and native plantings may increase habitat value (e.g., fragmented forests, impervious surfaces, roadway corridors).*

### Absolute

- Cannot already be in a mitigation project area for restoration
- Cannot already be high density developed
- Cannot be open water in freshwater areas
- Cannot currently be a "potential" wetland

### Relative

- Is a parcel adjacent to but not in a protected land area
- Is in a 303d listed HUC12 watershed but do not give extra points if impairment is only *E.coli*
- Is in a groundwater management zone, groundwater recharge zone, groundwater protection zone, or source water protection zone
- Is in an exceptional terrestrial biodiversity habitat area
- Is in an exceptional water quality value catchment
- Is locally impaired for nitrogen, phosphorous, and/or sedimentation
- Is within 1000 ft of but not in a protected land area
- Is within 200 feet of but not in a forested area
- Is within 200 feet of but not in the active river area
- Is within 300 feet of a stream but not in a water body
- Is within 300 feet of an exceptional value stream
- Is within 300 feet of but not in a wetland
- Is within a catchment of an "exceptional value stream"
- Is within a wildlife connectivity or resilient corridor

## Analysis Name: Stormwater Infrastructure Preservation

Map and score those natural areas where current landscape condition supports a healthy hydrologic system (e.g., maximum groundwater recharge and/or minimal stormwater runoff).

### Absolute

- Cannot already be protected
- Cannot be open water
- Must be in natural condition with less than 10 % impervious

### Relative

- Is within 1000 ft of but not in a protected land area
- Is adjacent to but not in a protected land area
- Is in a 100-year flood plain + 100 foot buffer
- Is in a forested area
- Is in a green infrastructure area with full point for hubs and partial points for corridors
- Is in a groundwater management zone, groundwater recharge zone, groundwater protection zone, or source water protection zone
- Is within the active river area but not in open water
- Distance to high, medium or low developed areas with 1 point if within 200 feet, 2/3 point within 400 feet or 1/3 point within 600 feet
- Development Pressure Sleuth model
- Must currently be a "potential" wetland
- Is forested within a stream area
- Is in a natural areas within 200 feet of a high impervious (>10%) surface area
- Is in an area with active livestock and within a 2000 ft buffer of a natural area
- Is in an area of moderately to well drained soils
- Is in an MS4 area

- Is a stream within a HUC-12 with a CWA §303(d) impaired stream
- Is adjacent to an "exceptional value stream" catchment
- Is an important aquatic habitat area
- Is in a future marsh migration area
- Is in a sea level rise (SLR) zone >8 feet with higher points for more immediate impacts
- Climate resilience
- Is in an "exceptional value stream" catchment area that is in a 319 watershed
- Is a stream area within 200 feet of an area with high social vulnerability for flood protection

## Analysis Name: Stormwater Infrastructure Restoration

*Map and score those areas where the natural hydrologic system is compromised, and which are probably contributing to excessive runoff and inadequate recharge. (xx\_x# represents criteria code)*

### Absolute

- Cannot be open water (st\_a1)
- Must be within a watershed catchments with greater than 10% of developed land cover (sr\_a2)

### Relative

- Distance to developed areas (high, medium or low) with 1 point if within 200 feet, 2/3 point within 400 feet or 1/3 point within 600 feet)
- Development Pressure Sleuth model
- Is in agriculture within 200 feet of a stream
- Is within a watershed (HUC 14 or catchment as defined by absolute) with 10-49% ag (1/2 point) and >50% (1 point)
- Is within a watershed (HUC 14 or catchment as defined by absolute) with 1 golf courses
- Is in natural land cover class
- Is adjacent to or within 1000 ft of but not in a protected land area
- Is an important aquatic habitat area

- could be a "potential" wetland
- Is near (1 point within 100 feet; 1/2 point within 300 feet) an existing or potential wetland area
- Is in an area of moderately to well drained soils
- Is in a groundwater management zone, groundwater recharge zone, groundwater protection zone, or source water protection zone
- Is in a headwater stream; overlaps of catchments and HUC 12
- Is forested within a stream area as defined above
- Is in an "exceptional value stream" catchment
- nearness to stream, as measured by NHD streams, with full point for within 100' and 1/2 point up to 300
- Is a stream area within 200 feet of an area with high social vulnerability for flood protection
- Is in a 100-year flood plain +100 foot buffer
- Is in an MS4 area
- Is within a HUC-12 with a CWA §303(d) impaired stream
- Is in a watershed for which a 319 plan has been adopted
- Is in a watershed for a 319 approved watershed plan indicating funding for restoration may be available
- Climate resilience
- Is in a green infrastructure area with full point for hubs and partial points for corridors
- scored greater than 50 in the FS Forests To Faucets mapping